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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

SEE MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)2. Applicant claims small entity status.
See 37 CFR 1.27.3. Specification [Total Pages: 56]
(including drawings and tables)

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. Drawing(s) (35 U.S.C. 113) [Total Pages: 26]5. Oath or Declaration [Total Pages: 2]

- a. Newly executed (original or copy)
- b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)

i. **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s)
Named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b)

6. Application Data Sheet. See 37 CFR 1.7618. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:
 Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09/621,697
Prior application information: Examiner: J. DarrowGroup Art Unit: 2132

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		020457 (Insert Customer No. or Attach bar code label here.)	<input type="checkbox"/> Correspondence address below		
Name	ANTONELLI, TERRY, STOUT & KRAUS, LLP				
Address					
City	State		Zip Code		
Country	Telephone	(703) 312-6600	Fax	(703) 312-6666	
Name	Carl J. Brupridge	Registration No. (Attorney/Agent)	29,621		
Signature	Date February 25, 2002				

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 824)

Complete if Known

Application Number	Not assigned
Filing Date	February 25, 2002
First Named Inventor	YOSHIURA, HIROSHI
Examiner Name	J. Darrow
Group Art Unit	2132
Attorney Docket No.	566.36319CX2

METHOD OF PAYMENT

FEE CALCULATION (continued)

1. The Commissioner is hereby authorized to charge indicated fees and credit overpayments to:
Deposit Account Number 01-2135
Deposit Account Name Antonelli, Terry, Stout & Kraus, LLP
 Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17
 Applicant Claims small entity status.
See 37 CFR 1.27

2. Payment Enclosed:
 Check Credit Card Money Order Other

FEE CALCULATION

2. BASIC FILING FEE

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	740	201 370 Utility filing fee	740
106	330	206 165 Design filing fee	
107	510	207 255 Plant filing fee	
108	740	208 370 Reissue filing fee	
114	160	214 80 Provisional filing fee	
SUBTOTAL (1)			740

1. EXTRA CLAIM FEES

Extra Claims			Fee from below	Fee Paid
Total Claims	8 -20*	=	x 18	=
Indep. Claims	4-3**	= 1	x 84	= 84
Multiple Dependent				=
Large Entity Fee	Entity Fee	Small Entity Fee	Fee Description	
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)		
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) \$ 84				

**or number previously paid, if greater. For Reissues, see above

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105	130	205 Surcharge – late filing fee or oath	65
127	50	227 Surcharge – late provisional filing fee or cover sheet	25
139	130	139 Non-English specification	130
147	2,520	147 2,520 For filing a request for ex parte reexamination	
112	920*	112 920* Requesting publication of SIR prior to Examination action	
113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	
115	110	215 Extension for reply within first month	55
116	400	216 Extension for reply within second month	200
117	920	217 Extension for reply within third month	460
118	1,440	218 Extension for reply within fourth month	720
128	1,960	228 Extension for reply within fifth month	980
119	320	219 Notice of Appeal	160
120	320	220 Filing a brief in support of an appeal	160
121	280	221 Request for oral hearing	140
138	1,510	138 1,510 Petition to institute a public use proceeding	
140	110	240 55 Petition to revive – unavoidable	
141	1,280	241 540 Petition to revive – unintentional	
142	1,280	242 640 Utility issue fee (or reissue)	
143	460	243 230 Design issue fee	
144	620	244 310 Plant issue fee	
122	130	122 130 Petitions to the Commissioner	
123	50	123 50 Processing fee under 37 CFR 1.17(q)	
126	180	126 180 Submission of Information Disclosure Stmt	
581	40	581 40 Recording each patent assignment per property (times number of properties)	
146	740	246 370 For each additional invention to be examined (37 CFR 5.1.129(a))	
149	740	249 370 For each additional invention to be examined (37 CFR 5.1.129(b))	
179	740	279 370 Request for Continued Examination (RCE)	
169	900	169 900 Request for expedited examination of a design application	
Other fee (specify) _____			

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Carl I. Brundidge	Registration No. (Attorney/Agent)	29,621	Telephone	703) 312-6600
Signature				Date	02/25/2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.